

Test Run Manual

Project: Test Automation

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Prerequisites:

1. Python 2.7.12
2. Selenium Python Client Driver version- 2.53.6
3. Robot Framework support.
4. Ride.
5. Chrome web driver 32 bit.
Version: 2.24 for Chrome version 55
Version: 2.29 for Chrome version 57+
6. IE web driver 32 bit
7. pywin32
8. pyodbc
9. xlrd
10. Browsers:
 - a. IE: 11.0.9600.18349 (KB3160005)
 - b. Chrome: 55.0.2883.87, 57+
 - c. Firefox: 47.0.1

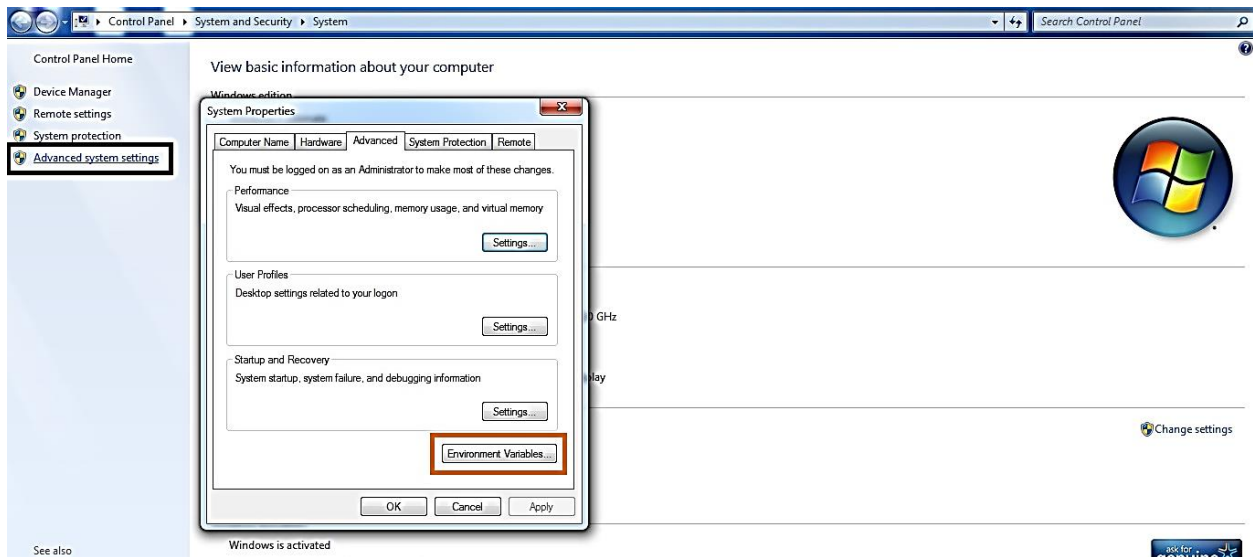
Setting up Test Environment

a) Installation Steps of python 2.7.12

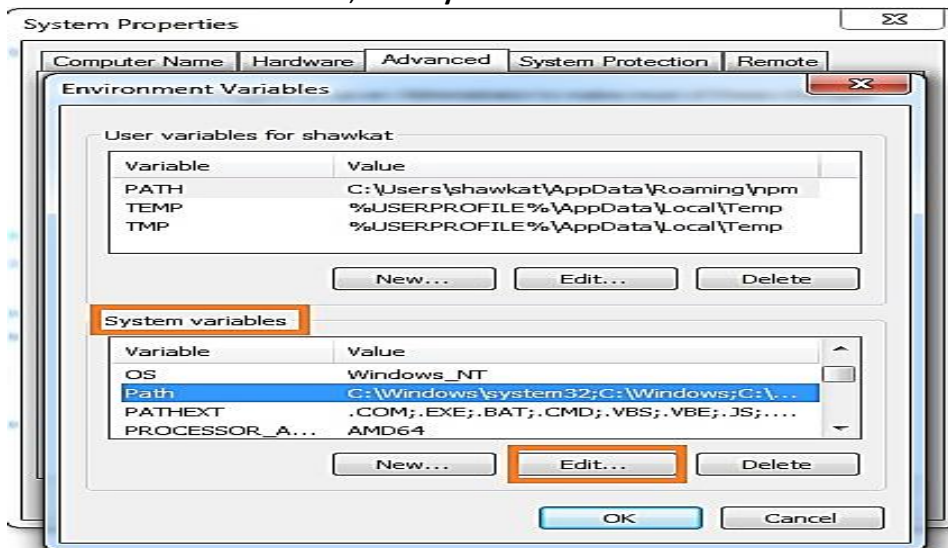
- a) Download python 2.7.12 (Windows x86 MSI installer) from
<https://www.python.org/downloads/>
- b) Install python 2.7.12

b) Configure path in environment variable

1. Open the properties window from **Computer** icon of the desktop.
2. Now a window will appear with the title of "View Basic Information about your Computer".
3. Click the **Advanced System Settings** from the top left menu.
4. Another window will appear title **System Properties**.
5. From the **Advanced** tab click on **Environment Variables...**



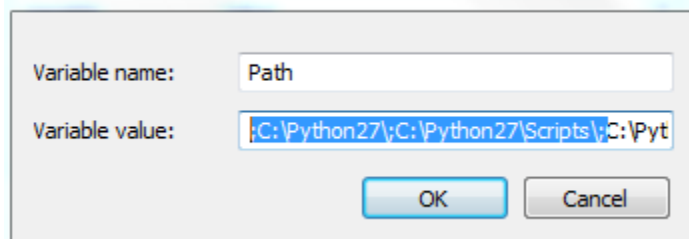
6. A new window will appear titled **Environment Variables**, and have to select the path to edit it, from **System Variables**.



7. Click on the edit button to edit the path of system variables and write the following line in the **Variable Value** text box –

C:\Python27\;C:\Python27\Scripts\;

Edit System Variable



8. Click **OK** button for all the windows.

c) Installation Steps of selenium python bindings package

- a) pip command to install the bindings: `pip install selenium==2.53.6` (Recommended)
- b) Download selenium python driver from <https://pypi.python.org/pypi/selenium> and install.

d) Installation Steps of robot framework for selenium python

- a) Install with the following pip command: `pip install robotframework` (Recommended)
- b) Go to the link and follow the installation steps
<https://github.com/robotframework/robotframework/blob/master/INSTALL.rst>

e) Installation Steps of Ride

- a) install ride with following pip command: `pip install robotframework-ride` (Recommended)
Or,
Download ride from <https://pypi.python.org/pypi/robotframework-ride> and install.
- b) Download 'wxPython2.8-win32-unicode-2.8.12.1-py27.exe' from <https://sourceforge.net/projects/wxpython/files/wxPython/2.8.12.1/> and install.
Note: If you are using a 64-bit version of Python then make sure you also get a 64-bit wxPython, otherwise choose a 32-bit installer even if you are on a 64-bit version of Windows

f) Installation Steps of 'pywin32'

- a) Go to <https://sourceforge.net/projects/pywin32/files/pywin32/>.
- b) Select the latest build version (currently 220).
- c) Choose the file to download according to your **python version and windows (32 bit/ 64 bit)** version. ['pywin32-220.win32-py2.7.exe']
- d) Install this.

g) Installation Steps of 'pyodbc':

- a) Open command prompt.
- b) Write command: `pip install pyodbc`

h) Install xlrd:

- a) Open command prompt.
- b) Write command: `pip install xlrd`

i) Install babel:

- a) Open command prompt.
- b) Write command: `pip install babel`

j) Install pywinauto:

a) Open command prompt.

b) Write command: `pip install --upgrade pywinauto`

Keep the Chrome and IE web driver in right place:

Keep the Chrome and IE driver in C:\Python27 so that, driver can be found in run time based on the path configured in environment variable.

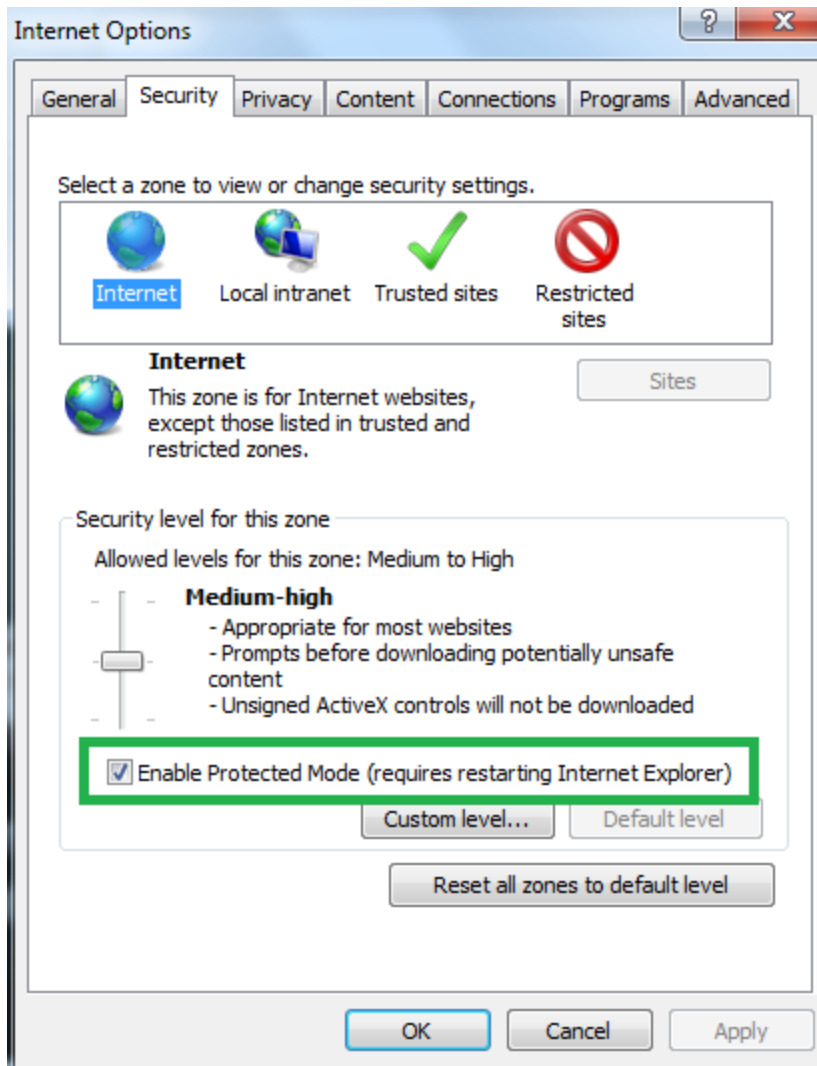
Configure Internet Explorer Option:

a) Launch IE browser.

b) Open Internet Option window.

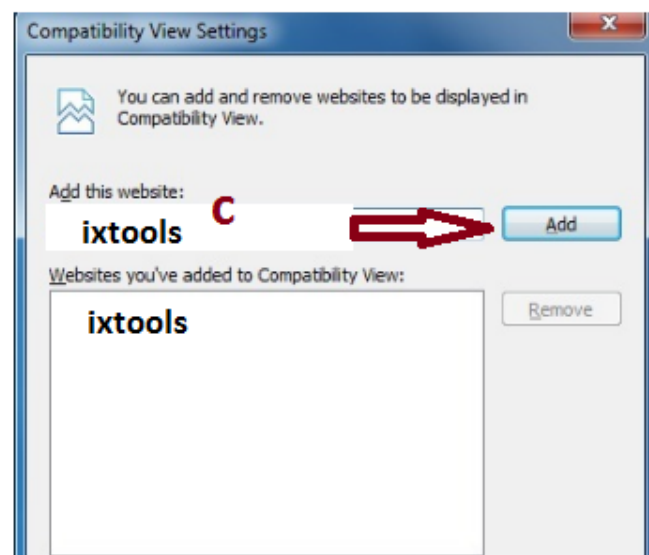
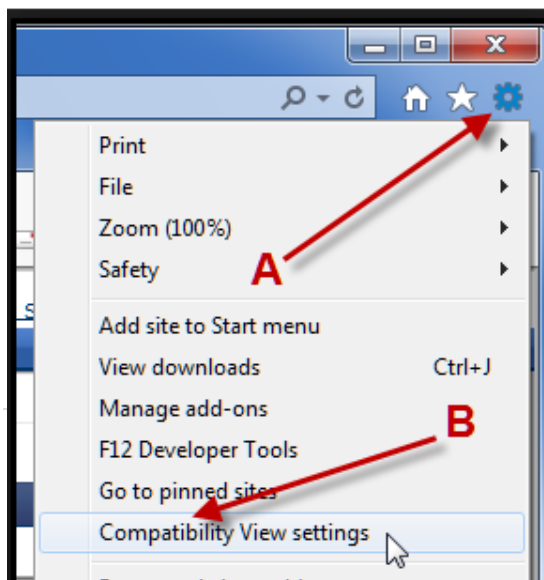
c) Click on security tab.

d) Keep 'Enable Protected Mode' option same for all security zones (Internet, Local internet, Trusted sites, Restricted sites)

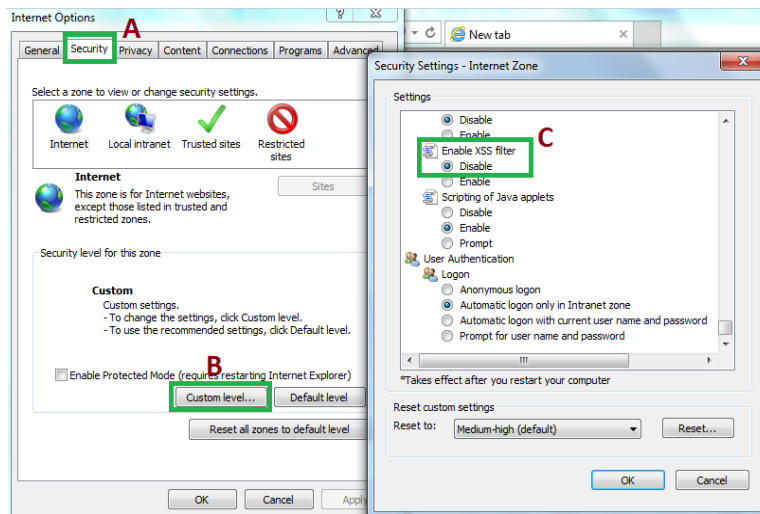


e) Compatibility view settings:

- Enable compatibility view mode for iXTools site.



- f) Unchecked the check box for 'Delete browsing history on exit':
- Open the Microsoft Internet Explorer browser.
 - Click on IE Tools Icon in the upper right-hand corner.
 - Select Internet Options from the drop-down menu.
 - Under the General tab, look for the Browsing history section.
 - Un-Check the box next to Delete browsing history on exit.
 - Click Apply then OK.
- g) Disable Cross-Site Scripting Filter (XSS Filter):

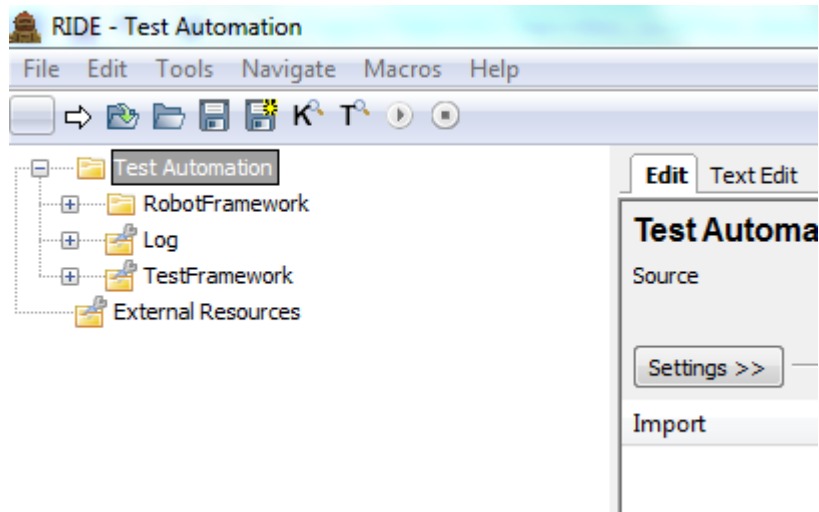


Configure template path for upload functionality:

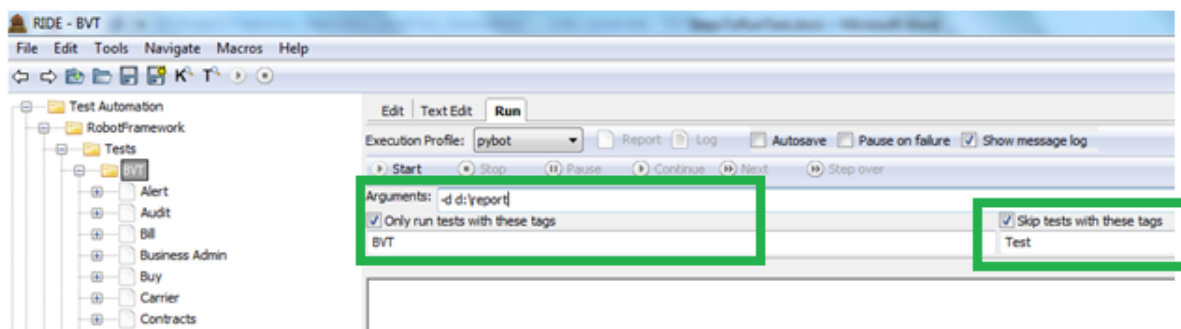
1. Create three folders in C drive. [SMS, VOICE, ISDN]
2. Copy all templates into the folders.

Run robot test file with ride

- a) Launch ride with the following command:
Open cmd and write: ride.py
Or, Open cmd and write: C:\Python27\python<single space>C:\Python27\Scripts\ride.py
- a) Click on File > Open Directory.
- b) Load 'Test Automation' folder.



- c) Expand the RobotFramework.
- d) Click on Run tab and configure the followings. Here, report path has been configured in Argument box. BVT is the tags to run only the BVT test cases and skip test cases having tag 'Test'



EXECUTE TEST_RUNNER.BAT.

- * Change the app url, login credentials, time out value, report generation path, SSL certificate flag.
- * Open cmd in administrator mode; change the directory to the Test_Automation folder.
- * Write test_runner.bat and press enter.

Analyze report and log

- a) Go to report folder.
- b) log.html, report.html and the screenshots will be available there.
- c) Open log.html or report.html in any browser.

d) Screenshot will be appeared embedded in log.html file under 'take screenshot' keyword.